

CLAIMS:

1. A lamp cap with a spring cup for retaining a lamp burner, characterized in that a spring cup of a lamp cap comprises at least three spring legs (4) which each have substantially only one degree of freedom and which are arranged such that the three degrees of freedom allow a displaceability of the spring cup in a displacement plane, said degrees of freedom being linearly independent of one another in this displacement plane.

2. A lamp cap as claimed in claim 1, characterized in that at least one of the spring legs (4) is a blade spring.

3. An arrangement of a lamp burner and a lamp cap as claimed in claim 1 or claim 2, characterized in that the lamp burner (1) is fixedly connected to the springs, at least one spring leg (4) in the connected state being subject to a force which is directed in the displacement plane perpendicularly to the direction of the degree of freedom.

4. An arrangement of a lamp burner and a lamp cap as claimed in any one of the preceding claims, characterized in that the lamp burner (1) is fixedly welded to the spring cup in its holder.

5. A method of fastening a lamp in a lamp cap which comprises a spring cup as defined in one of the claims 1 and 2, wherein the lamp is first aligned with reference to the lamp cap and is subsequently fixedly connected to the spring cup, characterized in that the lamp burner (1) is aligned in the displacement plane and is kept in the aligned position until it has been fixedly connected to the spring cup.

6. A method of fastening a lamp burner as claimed in claim 5, characterized in that the lamp burner (1) is welded to the spring cup in its holder.

7. A method of fastening a lamp burner as claimed in claim 5 or claim 6, characterized in that the lamp burner (1) is aligned along at least one further degree of freedom.

5 8. A method of fastening a lamp burner as claimed in claim 7, characterized in that alignment takes place along at least five axes.

9. A method of fastening a lamp burner as claimed in any one of the preceding claims, characterized in that the lamp burner (1) is aligned along at least six axes.